



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(S1) International Patent Classification ⁶ :	A1	(11) International Publication Number: WO 95/24649
G01N 33/58, 33/532, 33/543, C12Q 1/68		(43) International Publication Date: 14 September 1995 (14.09.95)
(21) International Application Number: PCT/GB95/00521		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).
(22) International Filing Date: 10 March 1995 (10.03.95)		
(30) Priority Data: 9404709.9 11 March 1994 (11.03.94) GB		
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(54) Title: BINDING ASSAY USING BINDING AGENTS WITH TAIL GROUPS

(57) Abstract

The present invention discloses methods and kits for the determination of the concentration of one or more analytes in a liquid sample using capture agents immobilised on a solid support and binding agents for binding the analyte(s), the binding agents having tail groups capable of binding to the respective capture agent. Preferably, the capture agents and binding agents are complementary oligonucleotides, and the capture agents are immobilised in the form of microspots. The use of the tail groups and capture agents can allow the binding of the analyte(s) to the binding agent(s) to take place in solution, rather than at a surface, improving the kinetics associated with this process. In addition, the user of the assay can customise any suitable binding agents for use with a universal support, by attaching tail groups to them.

